



# Techno India NJR Institute of Technology

## Academic Administration of Techno NJR Institute

### Syllabus Deployment

Name of Faculty	: Mr. Bharat Kr. Suthar	Subject Code: 7CE4-22
Subject	: Professional Practice & Field Engineering Lab	
Department	: Civil Engineering	Sem: VII
Total No. of Labs Planned:	6	

#### COURSE OUTCOMES HERE (3 OUTCOMES)

At the end of this course students will be able to:

CO1. To be able to understand the basic concept behind an economic construction methodology.

CO2. Able to analysis of rates for earthwork, concrete work, DPC, stone masonry, plastering.

CO3. To understand the type of foundations, concept of stone & brick Masonry.

Lab No.	Exp. No.	Experiment Name
1	1	Estimates – Methods of building estimates, types; site plan, index plan, layout plan, plinth area, floor area; Technical sanction, Administrative approval; estimate of buildings, roads, earthwork and R.C.C. works.
2	2	Analysis of rates- for earthwork, concrete work, D.P.C., stone masonry, plastering, pointing and roadwork
3	3	Specifications- For different classes of building and Civil Engineering works
4	4	Field Engineering Practices – Concept of RCC, Beams, column etc
5	5	Concept of Foundations in building and its types.
6	6	Types of Brick and Stone Masonry to be used in Buildings.

For Techno India NJR Institute of Technology  
पंकज पोरवाल  
Dr. Pankaj Kumar Porwal  
(Principal)